

CLAIMS

1. A liquid crystal display (LCD) apparatus, comprising:

an LCD panel;

a printed circuit board with a plurality of first pins, a first check pad and a second pad thereon, at least one first pin electrically connected to the first check pad and at least another first pin electrically connected to the second check pad; and

a package unit coupled to the LCD panel with a plurality of second pins thereon corresponding to the first pins, wherein the second pins are electrically connected to the first pins.

2. The LCD apparatus as claimed in claim 1, wherein the package unit is a tape carrier package (TCP).

3. The LCD apparatus as claimed in claim 2, wherein the package unit comprises a driving circuit thereon for driving the LCD panel.

4. The LCD apparatus as claimed in claim 3, wherein the printed circuit board comprises a control circuit thereon for controlling the driving circuit.

5. The LCD apparatus as claimed in claim 4, wherein the second pins are electrically connected to the first pins by an anisotropic conductive film (ACF).

6. The LCD apparatus as claimed in claim 4, wherein the second pins are electrically connected to the first pins by solder.

7. A method for checking joining accuracy of a plurality of first pins on a printed circuit board and a plurality of second pins on a package unit, wherein the package unit is coupled to an LCD panel with the second pins thereon corresponding to the first pins for electrically connecting printed circuit board and the LCD panel, the method comprising the steps of:

providing a first check pad and a second check pad on the printed circuit board;

connecting at least one first pin to the first check pad;

connecting at least another first pin to the second check pad; and

9 measuring electric resistance between the first and the second pad to get the electric
10 resistance which represents the electric resistance between the first and the second pins.

1 8.The method as claimed in claim 7, wherein the package unit is a tape carrier
2 package (TCP).

1 9.The method as claimed in claim 8, wherein the package unit comprises a driving
2 circuit thereon for driving the LCD panel.

1 10. The method as claimed in claim 9, wherein the printed circuit board comprises a
2 control circuit thereon for controlling the driving circuit.

1 11. The method as claimed in claim 10, wherein the second pins are electrically
2 connected to the first pins by a anisotropic conductive film (ACF).

1 12. The method as claimed in claim 10, wherein the second pins are electrically
2 connected to the first pins by solder.